

SACRAMENTO REGION STATE IMPLEMENTATION PLAN UPDATE

PCAPCD Board Meeting February 11th, 2021



WHAT IS "SIP"?

State Implementation Plan

Federally required air quality plan for NAAQS

Developed by state or local air quality agencies

Demonstration plan for attainment of NAAQS



FEDERAL OZONE STANDARD

• 1-hour average

1979 • 0.12 ppm

• 8-hour average

1997 • 0.08 ppm

• 8-hour average

2008 • 0.075 ppm

• 8-hour average

2015 • 0.070 ppm



CLASSIFICATION FOR 2015 STANDARD

Marginal

• 0.071 ~ 0.081 ppm

• 3 years

Moderate

• 0.081 ~ 0.093 ppm

6 years

Serious

• 0.093 ~ 0.105 ppm

9 years

Severe-15

• 0.0105 ~ 0.111 ppm

• 15 years

Severe-17

• 0.111 ~ 0.163 ppm

17 years

Extreme

• 0.163 ppm ~

• 21 years



FEDERAL PM2.5 STANDARD

• 24-hour average

1997 • 65 μg/m³

• annual average

1997 • 15 μg/m³

• 24-hour average

2006 • 35 μg/m³

annual average

2012 • 12 μg/m³



IF STANDARD NOT MET...

A "Finding of Failure" could be issued by U.S. EPA to a nonattainment area...

- Section 185 Fee Program
- Emission Offset Sanction (18 months)
-) Federal Highway Fund Sanction (24 months)
-) Federal Implementation Plan (24 months)



IF STANDARD MET...

A "Clean Data Finding" will be issued by U.S. EPA to a nonattainment area...

Attainment Determination and Area Redesignation Request

Air Quality Data Trends Analysis

Attainment Determination

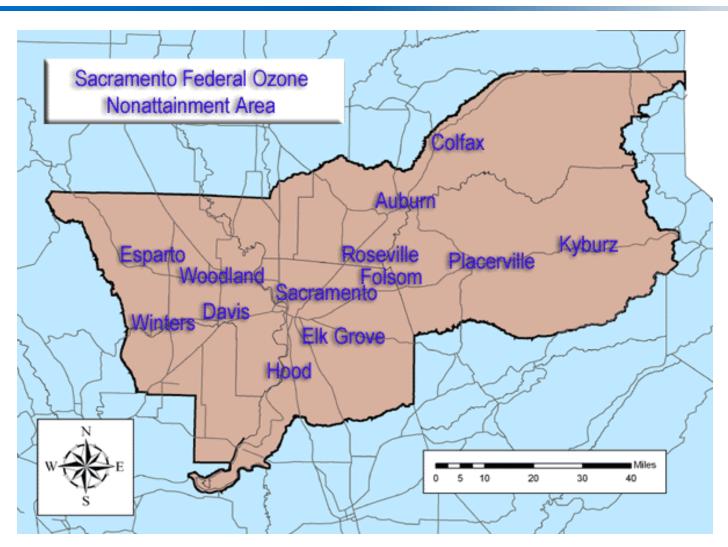
10-year Maintenance Plan



SACRAMENTO FEDERAL NONATTAINMENT AREA (SFNA)



SFNA FOR OZONE STANDARDS





CLASSIFICATIONS FOR SFNA

	1979 1-hour standard (0.12 ppm)	1997 8-hour standard (0.08 ppm)	2008 8-hour standard (0.075 ppm)	2015 8-hour standard (0.070 ppm)
Classification	Severe-15	Severe-15	Severe-15	Moderate
Attainment Deadline	11/15/2005	6/15/2019	7/20/2025	8/4/2024
U.S. EPA Clean Data Finding	10/18/2012	TBD	Not Yet	Not Yet



UPDATE FOR 2008 OZONE STANDARD

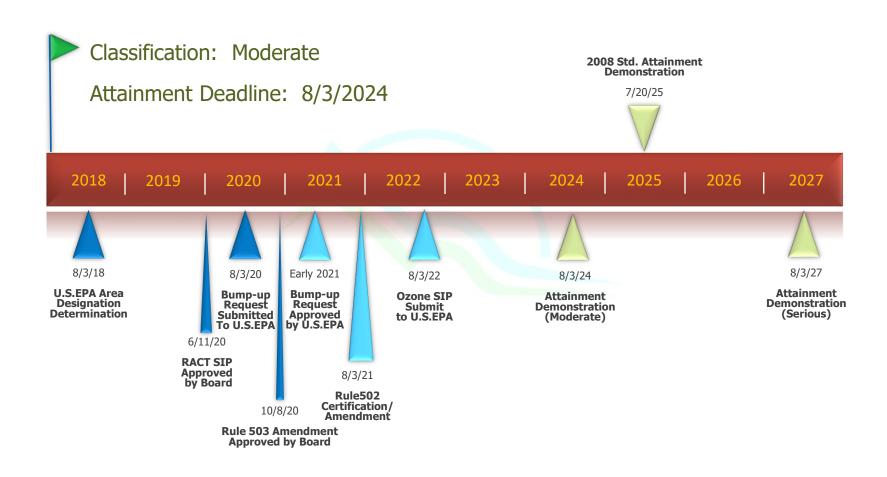
Classification: Severe-15

Attainment Deadline: 7/20/2025 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 7/20/12 12/12/19 4/10/14 10/12/17 7/20/22 7/20/25 10/14/21 **U.S.EPA** Area Oil and Gas **RACT SIP Ozone SIP Rule 218** Section 185 **Attainment** Designation RACT SIP **Approved by Board Approved by Board** Demonstration Amendment Fee Rule Determination Approved 7/23/20 by Board Regional RFP Contingency Measure Commitment Submittal **Ozone SIP Final Approval** by U.S.EPA in early 2021 **Contingency** Measure **Implementation**

within 12 months

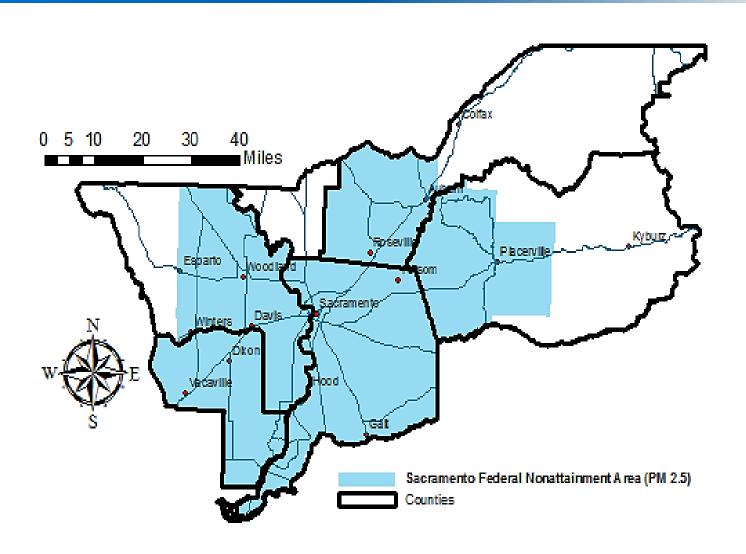


UPDATE FOR 2015 OZONE STANDARD





SFNA FOR PM2.5 STANDARDS





UPDATE FOR 2006 PM2.5 STANDARD

Non-Attainment Designation by U.S.EPA: 12/14/2009

Attainment Deadline: 12/14/2014



and PCAPCD sites



EXCEPTIONAL EVENT

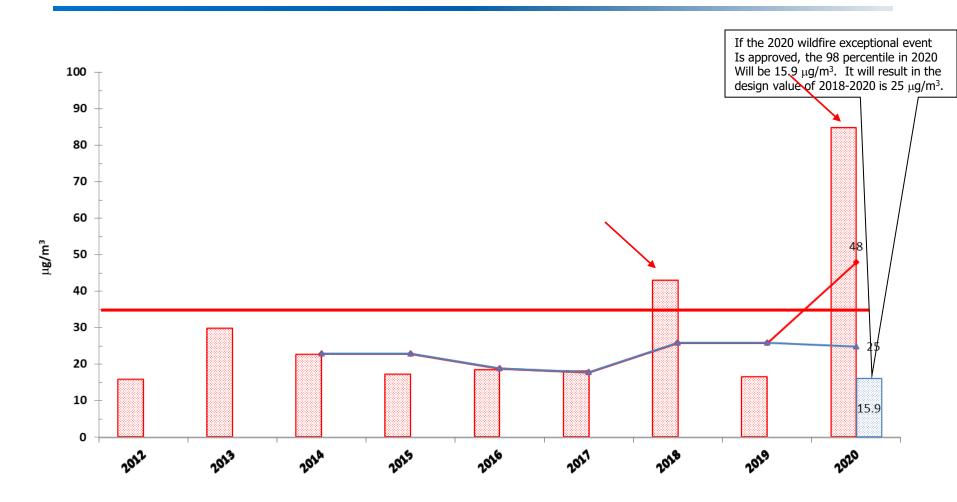
An unusual or natural event that would affect air quality but not reasonably controllable...



Exceptional event demonstration is needed when it would affect regulatory decision...



EXCEPTIONAL EVENT DEMONSTRATION FOR PM2.5





ATTAINMENT STATUS FOR SFNA

	1997 Ozone 8-hour standard (0.08 ppm)	2008 Ozone 8-hour standard (0.075 ppm)	2015 Ozone 8-hour standard (0.070 ppm)	2006 PM2.5 24-hr standard (35 μg/m³)
Classification	Severe-15	Severe-15	Serious	N/A
Attainment Deadline	6/15/2019	7/20/2025	8/3/2027	12/14/2014
U.S. EPA Clean Data Finding	Tentatively in 2022/23	Not Yet	Not Yet	Tentatively in 2022/23

Based on 3-year data (2019-2021)







COMING WORK IN 2021...

Rule 502 Certification/Amendment (2015 ozone standard)

• Schedule in June Board meeting, submit to U.S.EPA before 8/3/21

Rule 218 Amendment (2008 ozone standard)

 Schedule in October Board meeting, adopt it for the contingency measure commitment

Exceptional Event Demonstration (2006 PM2.5 standard)

 Work with the other SFNA districts to prepare the notification and data analysis for the 2020 wildfire impact to U.S.EPA

Ozone SIP Preparation (2015 ozone standard)

 Work with the other SFNA districts and CARB to conduct the modeling analysis and control measure evaluation



QUESTIONS?